

Yao, et al.  
Application No.: 10/655,767

**IN THE CLAIMS:**

1. (Original) A multi-channel optical transceiver module, comprising:

a) a plurality of optical connector mountings;

b) a plurality of optical subassemblies (OSA) each configured to be fixedly mounted  
5 in one of the optical connector mountings, wherein each of the OSA is configured to  
transform a first optical signal to a first electrical signal and to transform a second processed  
electrical signal to a second optical signal;

c) a signal processing IC unit electrically coupled to the plurality of OSA, configured  
to process the first electrical signal to produce a first processed electrical signal and to  
10 process a second electrical signal to produce the second processed electrical signal; and

d) an electrical connector unit electrically coupled to the signal processing IC unit,  
configured to output the first processed electrical signal and to transmit the second electrical  
signal to the signal processing IC unit.

2. (Original) The multi-channel optical transceiver module of claim 1, further comprising a  
15 Micro Processing Unit configured to monitor the operation status of the plurality of OSA and  
to transmit the operation status information to the signal processing IC unit.

3. (Original) The multi-channel optical transceiver module of claim 2, further comprising  
20 an EEPROM configured to store the operation status information.

4. (Original) The multi-channel optical transceiver module of claim 1, further comprising  
an ESD grounding unit configured to shield electromagnetism interference from the electrical  
connector unit.

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Claim 5. Cancelled.

6. (Original) The multi-channel optical transceiver module of claim 1, further comprising a  
handle coupled to the plurality of optical connector mountings for easy plug-in or pullout of  
30 the multi-channel optical transceiver module.

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7. (Original) The multi-channel optical transceiver module of claim 1, further comprising an indicator light configured to indicate the operation status of the multi-channel optical transceiver module.

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8. (Original) The multi-channel optical transceiver module of claim 1, wherein the signal processing IC unit is disposed on a printed circuit board.

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9. (Original) The multi-channel optical transceiver module of claim 1, wherein at least one of the plurality of optical connector mountings includes a snap-on mechanism to enable one of the OSA to be fixedly mounted in the optical connector mountings.

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10. (Original) The multi-channel optical transceiver module of claim 1, wherein at least one of the plurality of optical connector mountings includes a groove to receive one of the OSA.

11. (Original) The multi-channel optical transceiver module of claim 1, wherein the plurality of OSA are configured to transform four channels of optical signals to electrical or to transform four channels of processed electrical signals to optical signals.

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Claims 12-20. Cancelled.

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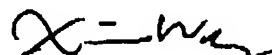
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CONCLUSION

Applicants believe that the above discussion is fully responsive to the Office Action.

If for any reasons the Examiner believes a telephone conference would in any way expedite resolution of the issues raised in this appeal, the Examiner is invited to telephone the undersigned at 650-856-8600.

Respectfully submitted,



Xin Wen

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